

Dear all,

I know I should have typed this summary email on what the plans for the simulation workshop on the 13th /14th of September are already earlier, but .....

Actually before all I was wondering with the labor day, the tribble committee and school starting is the 13th /14th of September really a optimum date would the 27th / 28th of September or the 4th and 5th of october not be better. Maybe something to discuss in today's meeting.

So here are the topics, which should be discussed during the workshop based on questions the committee asked several times.

- Golden measurements to benchmark the detector performance against currently we have
  - Structure functions  $F_L$ ,  $F_2$
  - DVCS
  - kaon asymmetries
  - Quality on how well the scattered lepton can be reconstructed
- can we define software standards for the simulation of the detector
- what computing power is currently existing and how does it need to be expanded at BNL/RACF and JLab.
- what software tools and environment is existing at BNL and JLab for
  - ep/eA generators
  - detector simulations
  - to simulate forward particle trajectories through IR magnets
- what machine background information is available from eRHIC and ELIC/MEIC for
  - neutrons
  - synchrotron radiation
  - electron and hadron beam induced background, i.e. beam gas eventsHow can the info be integrated into the detector simulation

Of course some of the items are talks and some other ones are discussions let me know something important is missing.

I promised Tom also to come up with an email text which could be send to all the interested parties, so here is an attempt, which can be modified in any way wished.

Dear all

We are planning to organize a small workshop on simulations issues for the EIC on X-Y of at BNL.

The purpose of the workshop is to combine forces in tools and manpower to answer questions put forward by the EIC Detector R&D Committee ([https://wiki.bnl.gov/conferences/index.php/EIC\\_R%25D](https://wiki.bnl.gov/conferences/index.php/EIC_R%25D)) on the influence of machine induced backgrounds on detector technologies and the simulation of physics processes to benchmark the detector performance. More details on the topics to be addressed during the meeting are listed below. ( would put the list from above to make the detailed ideas of the workshop more clear, especially that we consider erhic and elic)

We would be very happy if you could find the time to join us for the workshop. If you have not yet access to BNL, please fill the guest registration (<https://www.bnl.gov/gateaccess/>) and drop and email to Rachel Inguanta <[irachel@bnl.gov](mailto:irachel@bnl.gov)> and Elke-Caroline Aschenauer ([elke@bnl.gov](mailto:elke@bnl.gov)).

Regards

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